

AMENDMENTS TO THE CLAIMS

1 - 11. (Cancelled).

12. (Previously Presented) A drive for cooling fans in motor vehicles, the drive comprising:

    a primary cooler (4) located in a primary cooling circuit (3),  
    a primary temperature sensor (23),  
    at least two secondary coolers (7, 8) located in respective secondary cooling circuits (5, 6),  
    a fluid friction clutch including driving and driven clutch members (9, 10), and  
    a reservoir (17) for a viscous fluid, the reservoir (17) being limited by a separating member (18) and being connectable to a working chamber (19) by at least one first opening (20) in the separating member (18), the working chamber (19) extending into a region between the clutch members (9, 10) in which torque is transmitted from the driving clutch member (9) to the driven clutch member (10) by the viscous fluid, and wherein filling of the working chamber (19) with the viscous fluid is controlled by a first control element (21) opening and closing the first opening (20) in the separating member (18) depending on the temperature of cooling air passing through the primary cooler (4) sensed by the primary temperature sensor (23),  
    characterized in that each of the at least two secondary cooling circuits (5, 6) includes a secondary temperature sensor (40, 41), the secondary temperature sensors (40, 41) being operatively connected to a control unit (39) arranged to control a second control element (31), wherein the separating member (18) comprises at least one second opening (30), the second control element (31) being arranged in the working chamber (19), the control unit (39) moving the second control element (31) to open and close the at least one second opening (30) in accordance with the temperature sensed by one or more of the secondary temperature sensors (40, 41) to control the filling of the working chamber (19) with the viscous fluid, and wherein control of the second control element (31) is independent of control of the first control element (21).

13. (New) A drive according to Claim 12 wherein the first and second control elements (21, 31) are arranged on opposite sides of the separating member (18).

14. (New) A drive according to Claim 12 wherein the second control element (31) moves axially towards and away from the separating member (18) to close and open the at least one second opening (30).

15. (New) A drive according to Claim 14 wherein the degree of movement of the second control element (31) is proportional to the temperature sensed by the secondary temperature sensors (40, 41).

16. (New) A drive according to Claim 12 wherein the control element (31) is connected to the control unit by an actuation member (33, 57).

17. (New) A drive according to Claim 16 wherein the actuation member (33, 57) extends through a concentric bore of a drive shaft (11), and the control unit engages the actuation member (33, 57) extending from the drive shaft (11).

18. (New) A drive according to Claim 16 wherein the control unit is rotatably arranged in a chamber (48) of a drum (43) driving the drive shaft (11), and a working fluid flows through the chamber (48).

19. (New) A drive according to Claim 18 wherein the control unit is rotatably supported in the drum (43) by a roller bearing (52).

20. (New) A drive according to Claim 16 wherein the control unit includes a piston and cylinder actuator, the piston being connected to the actuation member (57), and wherein the piston includes first and second surfaces, the first surface being subjected to a force of a biasing element (60), and the second surface being subjected

to a force generated by an element (59) which expands with rising temperatures to open the at least one second opening (30).

21. (New) A drive according to Claim 12 wherein the control unit includes a magnet (38).

22. (New) A drive according to Claim 21 wherein the magnet (38) is controlled by an electronic circuit (39), the secondary temperature sensors (40, 41) forming part of the electronic circuit, and wherein the magnet (38) is moved to open the at least one second opening (30) if either one of the secondary temperature sensors (40, 41) detects a temperature above the predetermined switching temperature.